

Controller recirculation hot air for destratification fans



Controller recirculation hot air 03.431

The device records the temperature difference between the floor and the ceiling with two temperature sensors and compares this with user given values.

If the temperature difference between floor and the ceiling goes higher than the user value, the relay switches the ceiling fans on. There is second user value which handles the switch off point. The relay switching contact can handle for example up to 10 fans 03.210 (extendable with a contactor).

The current temperatures of the ceiling and the floor are constantly shown in an alternating display. The two sensors are checked and monitored via display for convenient installation and performance check.

Technical data

Product no.	03.431	
Permissible ambient temperature	0° C to +45° C	
Switch off temperature difference	liniar 1 K to 10 K	
Switching distance	liniar 1 K to 10 K	
Temperature measurement range	-20° C to +120° C	
Operating voltage	230 V / 50 Hz	
Contact	1 changer, relay contact, not potential-free	
Max. permissible current	4 A motor power, 230 V / 50 Hz	
Operating life as VDE 0631	min. 2 x 10 ⁵ switching operations	
Housing	Fastening	Surface mounted
	Material	Plastic
	IP protection	IP 54 according to DIN 40050
	Protection class	Protection class II as VDE 0700 (protective insulation)
Weight	app. 380 g	
Sensor	Type	KTY 10-5, semiconductor sensor +- 1 %
	Design	Plastic housing IP 54, without cable
	Cable connection	2-conductor cable 0,5 mm ² till 30 m; 0,75 mm ² till 45 m
Subject to alteration		

Connection diagram / dimensions

